

RECEIVED

JUN 21 2001

TECH CENTER 1600/2666

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/731,231DATE: 05/14/2001
TIME: 14:16:06Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\05142001\I731231.raw

ENTERED

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4 <110> APPLICANT: GUEGLER, Karl et al
6 <120> TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
7 ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
8 THEREOF
10 <130> FILE REFERENCE: CLO01007
12 <140> CURRENT APPLICATION NUMBER: 09/731,231
13 <141> CURRENT FILING DATE: 2000-12-07
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75 <211> LENGTH: 645

76 <212> TYPE: PRT

77 <213> ORGANISM: Human

79 <400> SEQUENCE: 2

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83   20          25          30
84 Gln Lys Leu Gly Ser Gly Ser Phe Gly Thr Val Tyr Leu Val Ser Asp
85   35          40          45
86 Lys Lys Lys Ala Lys Arg Gly Glu Glu Leu Lys Val Leu Lys Glu Ile Ser
87   50          55          60
88 Val Gly Glu Leu Asn Pro Asn Glu Thr Val Gln Ala Asn Leu Glu Ala
89 65          70          75          80
90 Gln Leu Leu Ser Lys Leu Asp His Pro Ala Ile Val Lys Phe His Ala
91   85          90          95
92 Ser Phe Val Glu Gln Asp Asn Phe Cys Ile Ile Thr Glu Tyr Cys Glu
93  100         105         110
94 Gly Arg Asp Leu Asp Asp Lys Ile Gln Glu Tyr Lys Gln Ala Gly Lys
95  115         120         125
96 Ile Phe Pro Glu Asn Gln Ile Ile Glu Trp Phe Ile Gln Leu Leu Leu
97  130         135         140
98 Gly Val Asp Tyr Met His Glu Arg Arg Ile Leu His Arg Asp Leu Lys
99 145         150         155         160
100 Ser Lys Asn Val Phe Leu Lys Asn Asn Leu Leu Lys Ile Gly Asp Phe
101 165         170         175
102 Gly Val Ser Arg Leu Leu Met Gly Ser Cys Asp Leu Ala Thr Thr Leu
103 180         185         190
104 Thr Gly Thr Pro His Tyr Met Ser Pro Glu Ala Leu Lys His Gln Gly
105 195         200         205
106 Tyr Asp Thr Lys Ser Asp Ile Trp Ser Leu Ala Cys Ile Leu Tyr Glu
107 210         215         220
108 Met Cys Cys Met Asn His Ala Phe Ala Gly Ser Asn Phe Leu Ser Ile

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111          245          250          255
112 Pro Lys Glu Leu Asn Ala Ile Met Glu Ser Met Leu Asn Lys Asn Pro
113          260          265          270
114 Ser Leu Arg Pro Ser Ala Ile Glu Ile Leu Lys Ile Pro Tyr Leu Asp
115          275          280          285
116 Glu Gln Leu Gln Asn Leu Met Cys Arg Tyr Ser Glu Met Thr Leu Glu
117          290          295          300
118 Asp Lys Asn Leu Asp Cys Gln Lys Glu Ala Ala His Ile Ile Asn Ala
119 305          310          315          320
120 Met Gln Lys Arg Ile His Leu Gln Thr Leu Arg Ala Leu Ser Glu Val
121          325          330          335
122 Gln Lys Met Thr Pro Arg Glu Arg Met Arg Leu Arg Lys Leu Gln Ala
123          340          345          350
124 Ala Asp Glu Lys Ala Arg Lys Leu Lys Lys Ile Val Glu Glu Lys Tyr
125          355          360          365
126 Glu Glu Asn Ser Lys Arg Met Gln Glu Leu Arg Ser Arg Asn Phe Gln
127          370          375          380
128 Gln Leu Ser Val Asp Val Leu His Glu Lys Thr His Leu Lys Gly Met
129 385          390          395          400
130 Glu Glu Lys Glu Glu Gln Pro Glu Gly Arg Leu Ser Cys Ser Pro Gln
131          405          410          415
132 Asp Glu Asp Glu Glu Arg Trp Gln Gly Arg Glu Glu Ser Asp Glu
133          420          425          430
134 Pro Thr Leu Glu Asn Leu Pro Glu Ser Gln Pro Ile Pro Ser Met Asp
135          435          440          445
136 Leu His Glu Leu Glu Ser Ile Val Glu Asp Ala Thr Ser Asp Leu Gly
137          450          455          460
138 Tyr His Glu Ile Pro Glu Asp Pro Leu Val Ala Glu Glu Tyr Tyr Ala
139 465          470          475          480
140 Asp Ala Phe Asp Ser Tyr Cys Val Glu Ser Asp Glu Glu Glu Glu
141          485          490          495
142 Ile Ala Leu Glu Arg Pro Glu Lys Glu Ile Arg Asn Glu Gly Ser Gln
143          500          505          510
144 Pro Ala Tyr Arg Thr Asn Gln Gln Asp Ser Asp Ile Glu Ala Leu Ala
145          515          520          525
146 Arg Cys Leu Glu Asn Val Leu Gly Cys Thr Ser Leu Asp Thr Lys Thr
147          530          535          540
148 Ile Thr Thr Met Ala Glu Asp Met Ser Pro Gly Pro Pro Ile Phe Asn
149 545          550          555          560
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151          565          570          575
152 Gln Lys Leu Gly Thr Glu Val Phe Glu Glu Val Tyr Asn Tyr Leu Lys
153          580          585          590
154 Arg Ala Arg His Gln Asn Ala Ser Glu Ala Glu Ile Arg Glu Cys Leu
155          595          600          605
156 Glu Lys Val Val Pro Gln Ala Ser Asp Cys Phe Glu Val Asp Gln Leu
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L:3588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:3589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:3590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:5023 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:5024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:5025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:5026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3